Claims

[c1]   1. An information processing device for processing statistic traffic information obtained by statistically processing traffic information on past traffic conditions in terms of temporal elements,

the statistic traffic information including a plurality of pieces of date classifying information for classifying data for predetermined dates and statistic condition information obtained by statistically processing the traffic conditions on each of the dates correlated to the corresponding one of the plurality of pieces of date classifying information in terms of temporal elements;

the device comprising:

a date classification modifier adapted to modify the plurality of pieces of date classifying information included in data information which is formed as one data structure containing a plurality of pieces of date information indicating the dates and the plurality of pieces of date classifying information that corresponds respectively to the dates indicated by the plurality of pieces of date information.

[c2]   2. The information processing device according to claim

1, wherein
the pieces of date information are provided in a plurality
of calendar-like forms that contain the dates of a year.

[c3]   3. The information processing device according to claim
1, further comprising:
a timer for clocking the current time and date;
a date classification recognizer for acquiring the current
time and date from the timer by recognizing an acquisi-
tion request signal requesting acquisition of the statistic
condition information, identifying the data information
on the basis of the date indicated by the acquired cur-
rent time and date and recognizing the date classifying
information from the data information; and
a condition information acquirer for identifying the
statistic traffic information on the basis of the date clas-
sifying information recognized by the date classification
recognizer and acquiring the statistic condition informa-
tion of the identified statistic traffic information.

[c4]   4. The information processing device according to claim
1, further comprising:
a date classification recognizer for identifying the data
information on the basis of the date information by rec-
ognizing an acquisition request signal requesting acqui-
sition of the statistic condition information correlated to
the date information and recognizing the date classifying

information from the identified data information; and a condition information acquirer for identifying the statistic traffic information on the basis of the date classifying information recognized by the date classification recognizer and acquiring the statistic condition information of the identified statistic traffic information.

[c5] 5. The information processing device according to claim 3, wherein

the statistic condition information includes a plurality of pieces of place-specific statistic traffic information obtained by statistically processing the traffic condition at an arbitrary place on the date in terms of temporal elements; and

the date classification recognizer recognizes place-identifying information for identifying the arbitrary place with the acquisition request signal, while

the condition information acquirer retrieves and acquires the place-specific statistic traffic information corresponding to the place-identifying information recognized by the date classification recognizer from the identified statistic traffic information.

[c6] 6. The information processing device according to claims 3, wherein

the statistic traffic information is information obtained by statistically processing past traffic conditions on a

special date in terms of temporal elements.

[c7] 7. The device according to claim 6, wherein
the special date is at least a date when an event is held,
the immediately preceding day of the date when an event
is held, one of three or more than three consecutive hol-
idays or the immediately preceding day of such consecu-
tive holidays.

[c8] 8. The information processing device according to claims
3, further comprising:
a traffic condition predictor for predicting the traffic
condition in the future from the statistic condition infor-
mation acquired by the condition information acquirer.

[c9] 9. The information processing device according to claims
1, further comprising:
a positional information acquirer for acquiring positional
information on the current position and the destination
of a moving body;
a route searcher for searching the traveling route of the
moving body on the basis of the positional information
acquired by the statistic condition information and the
positional information acquirer; And
a notification control section for notifying the traveling
route searched by the route searcher to a notifying sec-
tion.

[c10]   10. The information processing device according to claims 1, further comprising:

a storage section for storing the data; and

a modification information acquirer for acquiring the date classifying information correlated to the date information and the date indicated by the date information; the date classification modifier being adapted to identify the data information by retrieving the date information acquired from the storage section by the modification information acquirer and modify the date classifying information of the identified data information to the date classifying information acquired by the modification information acquirer.

[c11]   11. The information processing device according to claim 10, wherein

the date classification modifier identifies the data information by retrieving the date information acquired from the storage section by the modification information acquirer, determines if the date classifying information of the identified data information and the date classifying information acquired by the modification information acquirer agree with each other or not and, if it determines that they agree with each other, modifies the date classifying information of the identified data information to the date classifying information acquired by the modifi-

cation information acquirer.

[c12]   12. The information processing device according to
claim 10, further comprising:

a modification information generator for generating the
date classifying information correlated to the date infor-
mation and the date indicated by the date information
and outputting it;

the modification information acquirer being adapted to
acquire the date information and the date classifying in-
formation from the modification information generator.

[c13]   13. An information processing system comprising:

an information processing device for processing statistic
traffic information obtained by statistically processing
traffic information on past traffic conditions in terms of
temporal elements,

the statistic traffic information including a plurality of
pieces of date classifying information for classifying data
for predetermined dates and statistic condition informa-
tion obtained by statistically processing the traffic condi-
tions on each of the dates correlated to the correspond-
ing one of the plurality of pieces of date classifying in-
formation in terms of temporal elements;

the device further comprising:

a date classification modifier adapted to modify the plu-
rality of pieces of date classifying information included

in data information which is formed as one data structure containing a plurality of pieces of date information indicating the dates and the plurality of pieces of date classifying information that corresponds respectively to the dates indicated by the plurality of pieces of date information;
and
a terminal unit connected to the information processing device via a network so as to be able to exchange various pieces of information and having a request information generator for generating a modification request information requesting to modify the date classifying information of the data information and transmitting it to the information processing device;
the date classification modifier being adapted to modify the date classifying information of the data information upon recognizing the reception of the modification request information transmitted from the terminal unit.

[c14] 14. An information processing system comprising an information processing device and a terminal unit, wherein:
the information processing device is for processing statistic traffic information obtained by statistically processing traffic information on past traffic conditions in terms of temporal elements,

the statistic traffic information including a plurality of pieces of date classifying information for classifying data for predetermined dates and statistic condition information obtained by statistically processing the traffic conditions on each of the dates correlated to the corresponding one of the plurality of pieces of date classifying information in terms of temporal elements;

the device comprising:

a date classification modifier adapted to modify the plurality of pieces of date classifying information included in data information which is formed as one data structure containing a plurality of pieces of date information indicating the dates and the plurality of pieces of date classifying information that corresponds respectively to the dates indicated by the plurality of pieces of date information;

the device further comprising:

a storage section for storing the data; and

a modification information acquirer for acquiring the date classifying information correlated to the date information and the date indicated by the date information;

the date classification modifier being adapted to identify the data information by retrieving the date information acquired from the storage section by the modification information acquirer and modify the date classifying information of the identified data information to the date

classifying information acquired by the modification information acquirer;

and wherein:

the terminal unit is connected to the information processing device via a network so as to be able to exchange various pieces of information and has a terminal modification information generator for generating date information and date classifying information and transmits them to the information processing device;

the modification information acquirer being adapted to acquire the date information and the date classifying information transmitted from the terminal unit.

[c15] 15. An information processing system comprising an information processing device and a server,

wherein:

the information processing device is for processing statistic traffic information obtained by statistically processing traffic information on past traffic conditions in terms of temporal elements,

the statistic traffic information including a plurality of pieces of date classifying information for classifying data for predetermined dates and statistic condition information obtained by statistically processing the traffic conditions on each of the dates correlated to the corresponding one of the plurality of pieces of date classifying in-

formation in terms of temporal elements;

the device comprising:

a date classification modifier adapted to modify the plurality of pieces of date classifying information included in data information which is formed as one data structure containing a plurality of pieces of date information indicating the dates and the plurality of pieces of date classifying information that corresponds respectively to the dates indicated by the plurality of pieces of date information;

the device further comprising:

a storage section for storing the data; and

a modification information acquirer for acquiring the date classifying information correlated to the date information and the date indicated by the date information;

the date classification modifier being adapted to identify the data information by retrieving the date information acquired from the storage section by the modification information acquirer and modify the date classifying information of the identified data information to the date classifying information acquired by the modification information acquirer;

and wherein:

the server is connected to the information processing device via a network so as to be able to exchange various pieces of information and has a server transmitter

for acquiring date information and date classifying information and transmits them to the information processing device;

the modification information acquirer being adapted to acquire the date information and the date classifying information transmitted from the server.

[c16] 16. An information processing method for processing statistic traffic information obtained by statistically processing traffic information on past traffic conditions in terms of temporal elements,

the statistic traffic information including a plurality of pieces of date classifying information for classifying data for predetermined dates and statistic condition information obtained by statistically processing the statistic conditions on each of the dates correlated to the corresponding one of the plurality of pieces of date classifying information in terms of temporal elements;

the method comprising:

modifying a plurality of pieces of date classifying information included in data information which is formed as one data structure containing a plurality of pieces of date information indicating the dates and the plurality of pieces of date classifying information that corresponds respectively to the dates indicated by the plurality of pieces of date information.

[c17]   17. An information processing program for having a computer to execute an information processing method, in which the method is:

an information processing method for processing statistic traffic information obtained by statistically processing traffic information on past traffic conditions in terms of temporal elements,

the statistic traffic information including a plurality of pieces of date classifying information for classifying data for predetermined dates and statistic condition information obtained by statistically processing the statistic conditions on each of the dates correlated to the corresponding one of the plurality of pieces of date classifying information in terms of temporal elements;

the method comprising:

modifying a plurality of pieces of date classifying information included in data information which is formed as one data structure containing a plurality of pieces of date information indicating the dates and the plurality of pieces of date classifying information that corresponds respectively to the dates indicated by the plurality of pieces of date information.

[c18]   18. A recording medium computing-device-readably storing an information processing program for having a computer to execute an information processing method,

in which the method is:

an information processing method for processing statistic traffic information obtained by statistically processing traffic information on past traffic conditions in terms of temporal elements,

the statistic traffic information including a plurality of pieces of date classifying information for classifying data for predetermined dates and statistic condition information obtained by statistically processing the statistic conditions on each of the dates correlated to the corresponding one of the plurality of pieces of date classifying information in terms of temporal elements;

the method comprising:

modifying a plurality of pieces of date classifying information included in data information which is formed as one data structure containing a plurality of pieces of date information indicating the dates and the plurality of pieces of date classifying information that corresponds respectively to the dates indicated by the plurality of pieces of date information.